
The different effects of nitrogen fertilizer on growth and operation of, tare plant

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In order to evaluate the effect of nitrogen on growth and yield of green gram, a trial on the basis of randomized complete block design with 3 replications was conducted in Sangar city (Guilan province) in 2015. Trial treatments were various amounts of nitrogen in 6 levels (10, 20, 40, 60, 80 and 100 kg/ha) and the following characteristics were measured: plant height, no. of shoots, no. of mature pods per plant, no. of mature pods per m², dry seed yield, biological yield, dry pod yield, no. of immature pods, weight of 1000 seeds, harvest index and foliage yield. Analysis of variance indicated that nitrogen amounts had significant effects on measured parameters except no. of mature pods per plant, no. of mature pods per m², weight of 1000 seeds and harvest index. Comparison of means indicated that application of 60 kg/ha nitrogen had the greatest effect on measured parameters.

Keywords : green gram, Biological yield, seed yield Nitrogen

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